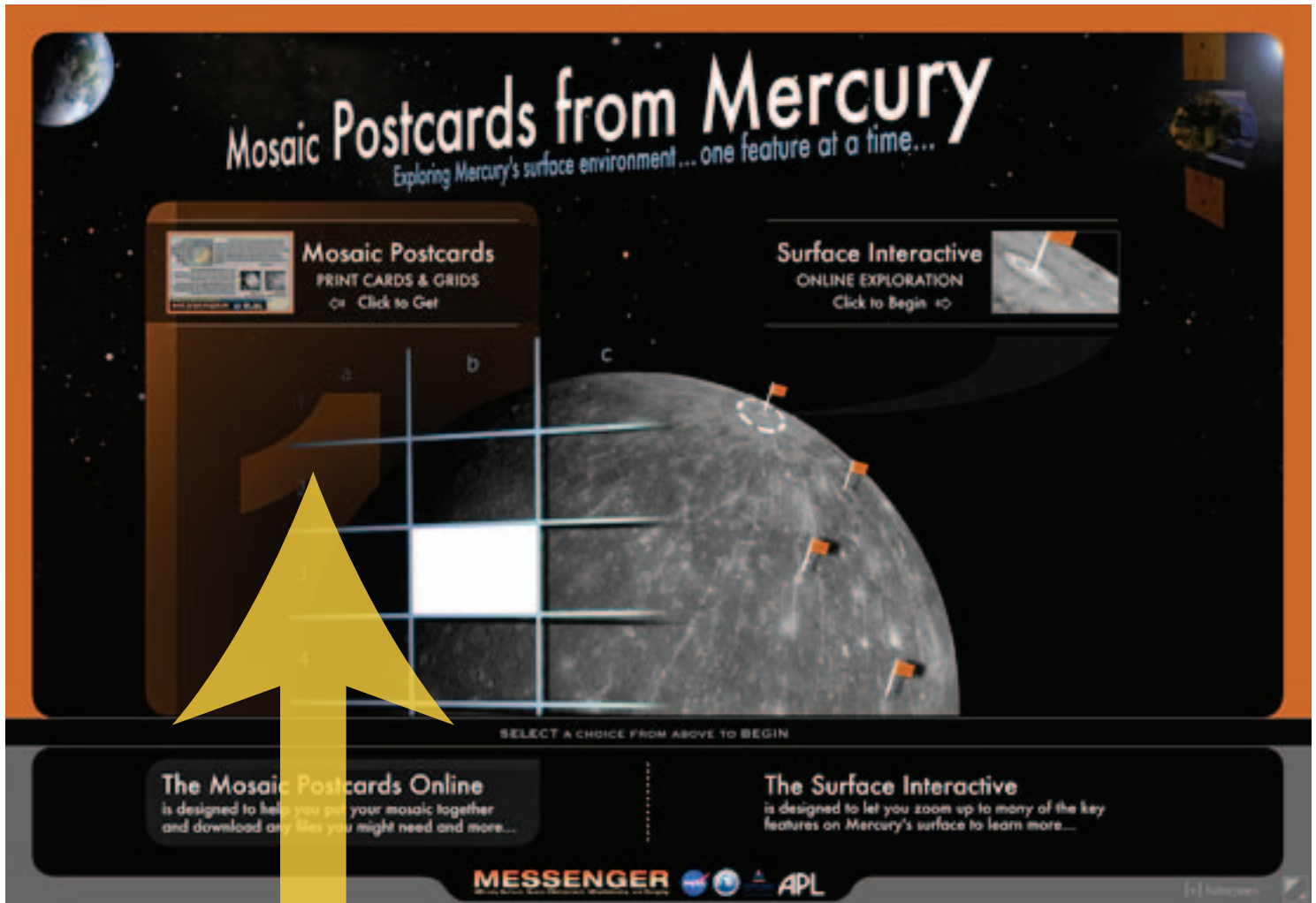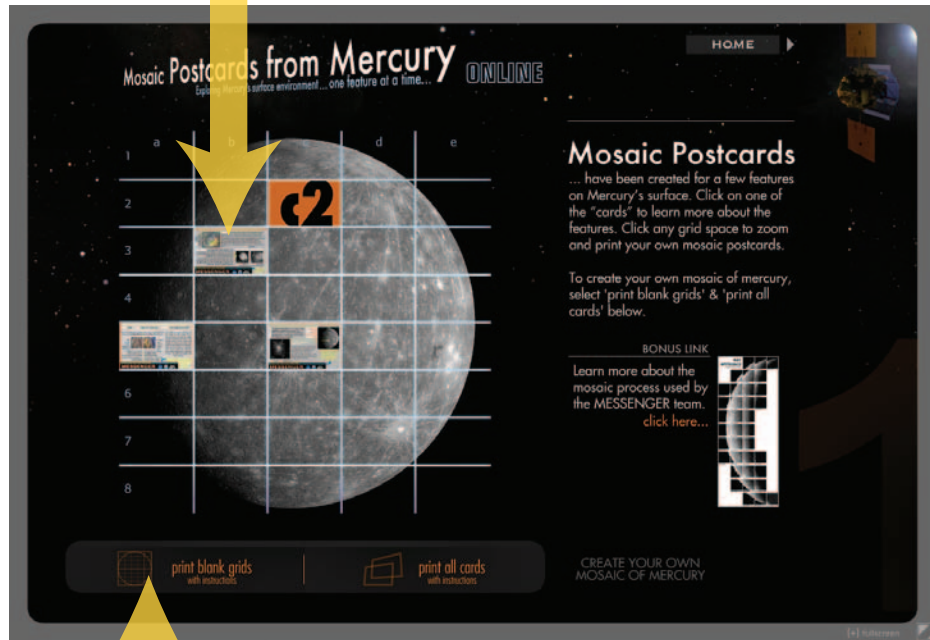## Welcome to Mosaic Postcards from Mercury
on the MESSENGER Education and Public Outreach site:
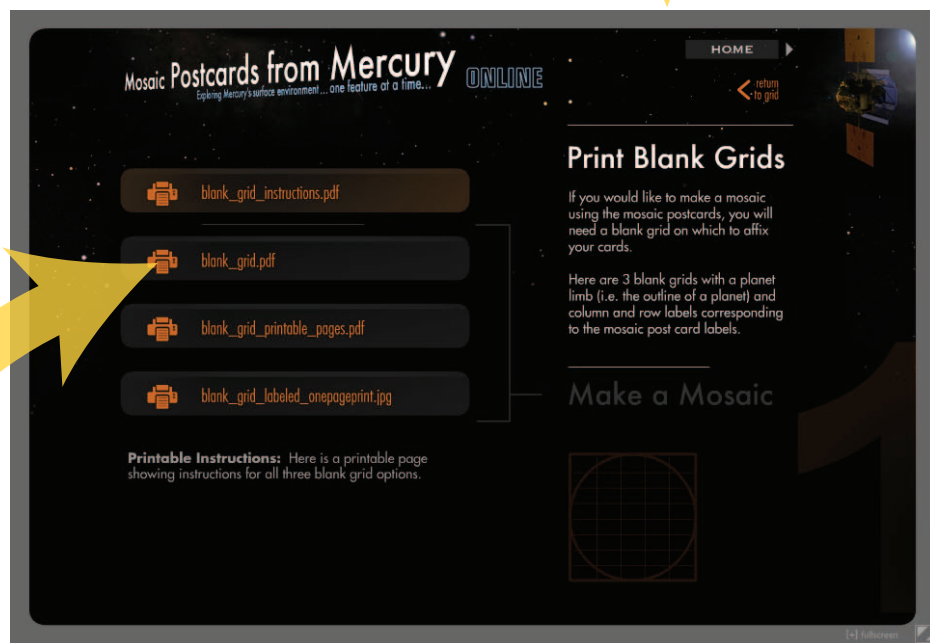### www.messenger-education.org/mosaic

To access the print materials necessary to make your mosaic, click on the left side of the screen in the "Mosaic Postcards" section

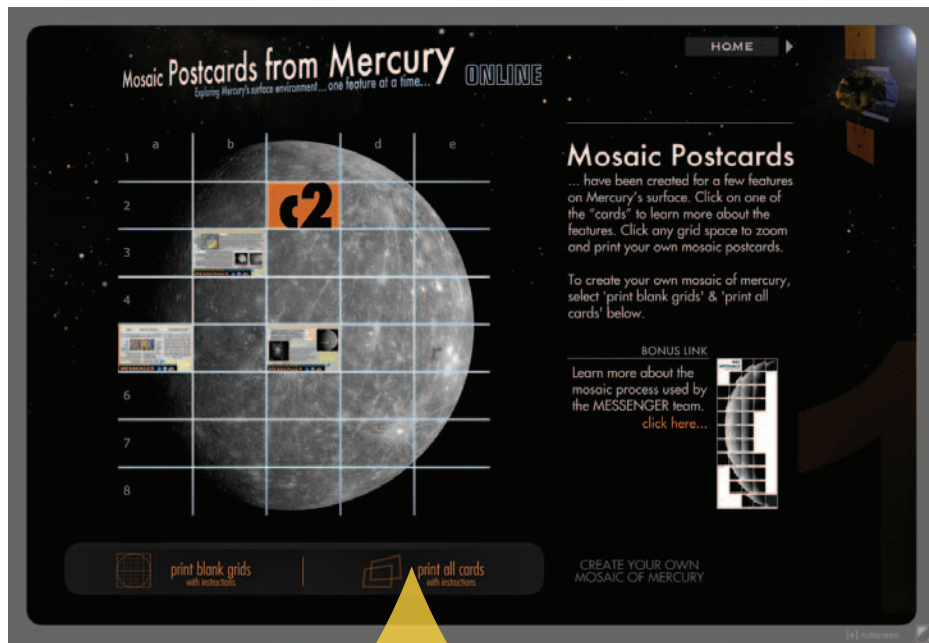**NOTE: scroll down that page to watch a tutorial of "Using the Print Side"**

Once in the Mosaic Postcards (MPC) Print Side you can click on individual grid spaces to enlarge them
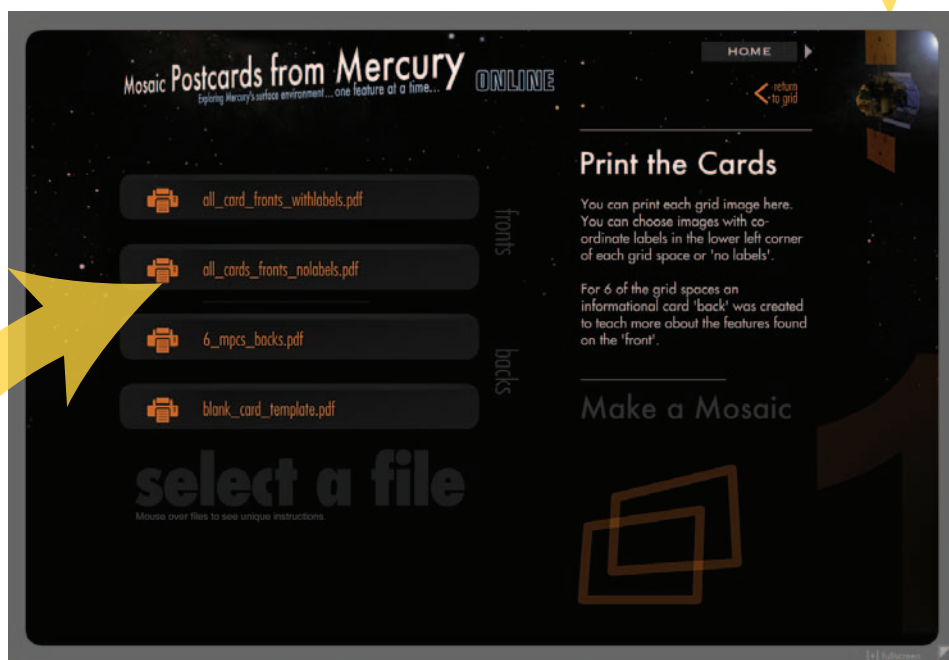

Or you can select "print blank grids" to view all of the options for creating a blank grid to which you attach your MPCs

Mouse over each of the options to see which works best for you, then select that option to open/download the .pdf. Don't forget to print the "blank_grid_instructions.pdf". Then click "return to grid" in the upper right corner to go back to the previous screen.

Select "print all cards" to view all of the options for downloading or printing your MPCs

Mouse over each of the options to see more information, then select your desired option to open/download the .pdf. Options include: card fronts with and without labels, card 'backs', and a blank template. Then click "return to grid" in the upper right corner to go back to the previous screen.
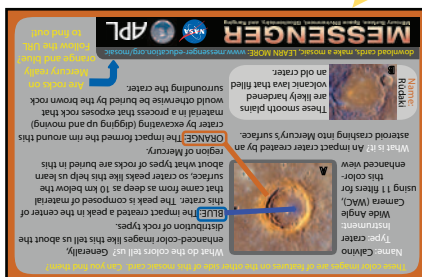
Don't forget to explore the Surface Interactive side!

Once you have your blank grid and MPCs, what can you *do* with them? Here are a few ideas...and perhaps you can add a few of your own!
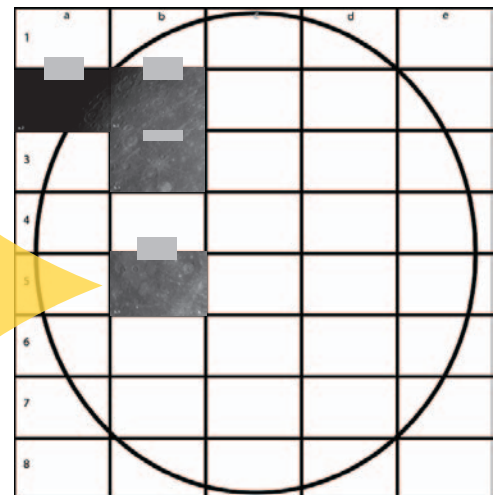
1. **Make a mosaic of Mercury and add to it:**
   a. **Create your blank grid (print instructions too!) and print the "6_mpcs_backs.pdf" and the "all_card_fronts_withlabels.pdf".**
   b. **Attach the six "backs" (text side of cards) to the appropriate "fronts" (image side of cards) so that the text is upside-down with respect to the front image and labels. Post the grid on a wall and affix all cards to the grid by taping only across the top of the cards. Then you may still access the back or "text" of the cards.**
   c. **As more card backs are added to the website print them and attach to their respective fronts.**
   NOTE: if you have the professionally printed MPCs you don't need to print the backs and attach them to the fronts!

b, 5

print (and paste together for those with backs)

tape cards to grid along the top of each card
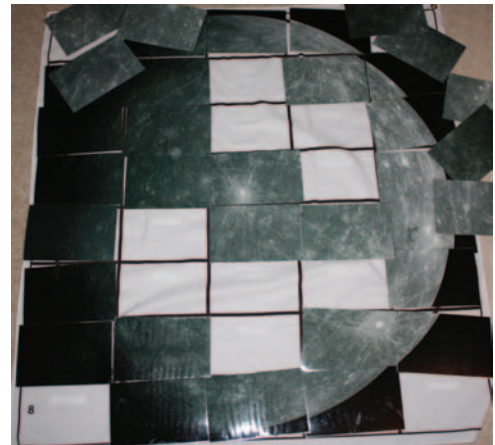

NOTE: only a few are done here for you, but you should fill in the rest

2. Assemble a puzzle of Mercury

    a. Create your blank grid and print "all_cards_fronts_nolabels.pdf".

    b. Place the blank grid on the floor and have users assemble the MPCs into an image of Mercury.

    c. Provide the "hints" page and the image of Mercury (with some features labeled if desired) provided so students can see the finished version.

    NOTE: You can laminate the cards and place re-positionable adhesive on the backs to use as a wall puzzle.

NOTE: In this image of Mercury (provided) some of the prominent features have been labeled. Label the same features on the respective MPCs to help students assemble the puzzle

3. Create your own MPCs as a class project

    a. Create your blank grid and print a "blank_card_template.pdf" for each group and "all_cards_fronts_nolabels.pdf".

    b. Each group should choose a "front" card and research a feature within that image using the "gallery" link in the left menu of the mosaic website.

    c. Groups should fill in the blank card template with a close-up image of their chosen feature, information about the artist (or other) for which it was named, and information about the how the feature formed.

    d. Groups should attached their new MPC "back" to the respective "front" for eventual posting on the blank grid.

    e. Finally, groups should present their finished MPC and what they learned to the class and attach it to the appropriate grid space on the blank grid.

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Instructions:

1. Choose an MPC and a feature within that card that interests you.

2. Sketch that feature using your pastels on a 4-inch square piece of sketch paper and attach it to this blank MPC template.

3. Navigate to the MPC website and choose the "Surface Interactive" side to research for whom the main feature on that card was named and write a bit about them on this blank template next to your finished pastel drawing.